TELEFUNKEN A-114MC

MODEL

SERVICE MANUAL

THOMSON CONSUMER ELECTRONICS

Service

NORDMENDE
THOMSON TECHNOLOGY

SABA

TELEFUNKEN

THOMSON

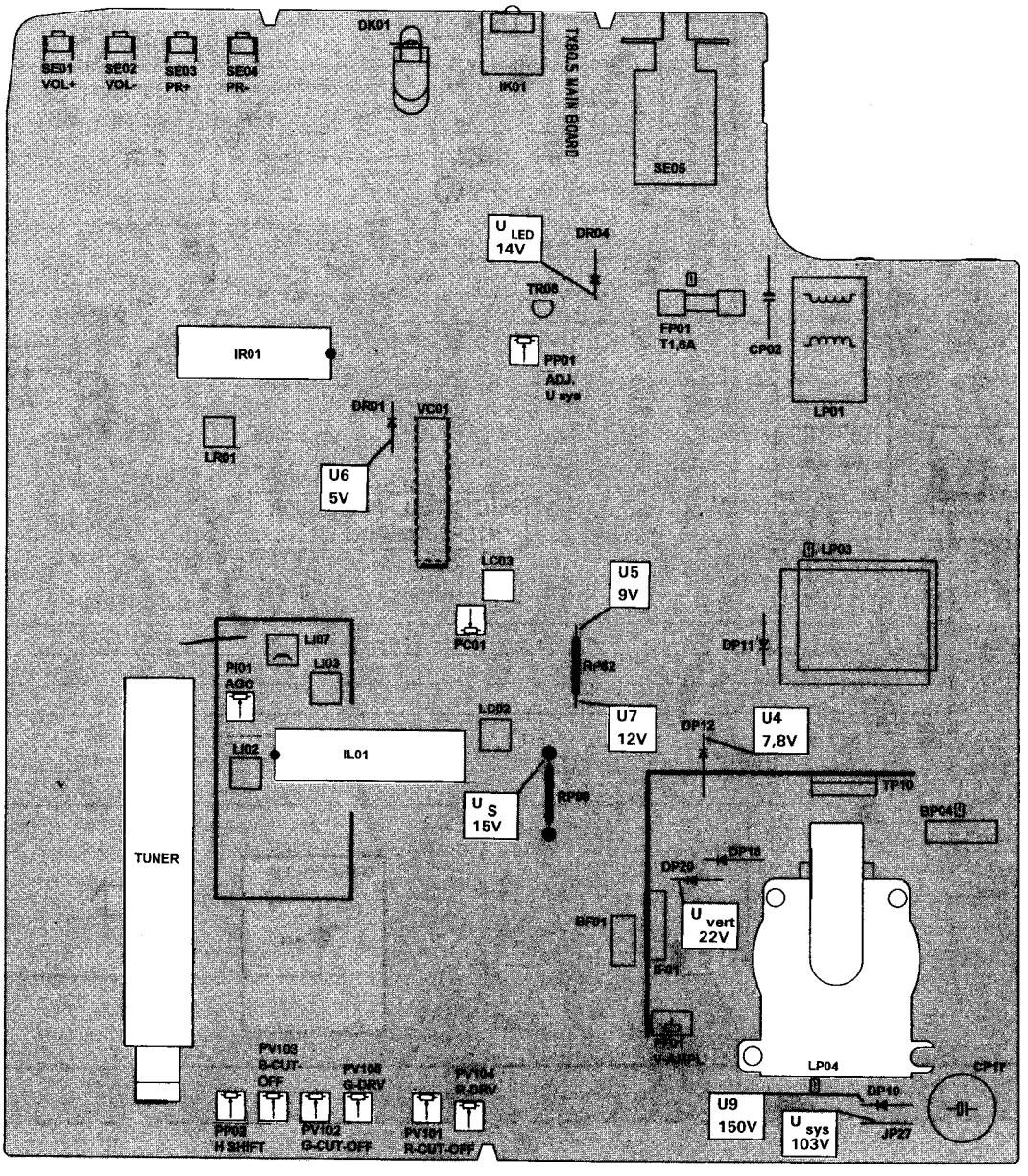
FERNSEHEN
TELEVISION
TÉLÉVISION

Bestell-Nr. 102.368.50

Chassis TX 805

ACHTUNG! Ersatzteilbestellungen
sind schneller und kostengünstiger über
Fax 05 11 / 4 18-12 60

Service-Lageplan · Layout diagram · Disposition des régleurs
Posizione regulatori di servizio · Situation de los ajustes



Service Einstellungen · Adjustments · Réglages · Regolazioni · Ajustes de servicio

U system	PP01	---	V CP17	14" : 103V
H.-Pos.	PF02	---		
V.-Pos.	MVP0 W02 MVP2 MVP3	---		
V.-Ampl.	PF01	---		
U G2	G2 SCREEN	= min.		dunkel ⇔ gerade sichtbar dark ⇔ just visible
Schärfe Focus	Focus			optimale Auflösung optimal resolution
AGC	PI01	3mV Ch 9 BG	Pin 3 Tuner V HF	1. max. 2. max. - 8dB
PAL Chroma Delay	LC03 PC01	PAL	C B TT03 E CRT-Board	min. min. line 1 + line 2
Grauabgleich grey alignment	PV101 PV102 PV103	= ¼ = min.		Grau, grey
Weißabgleich white alignment	PV104 PV105	= standard = min.		Weiß, white

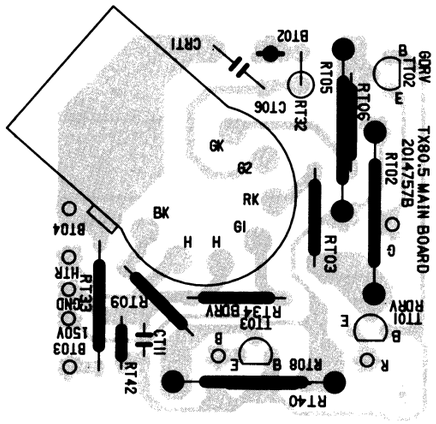
Achtung:
Servicearbeiten nur über Regeltrenntrafo durchführen!
Sicherheitsbauteile nur gegen Original-Ersatzteile auswechseln.

Attention:
Repairs are to be carried out only with isolating transformer!
Replace safety components only with original spare parts.

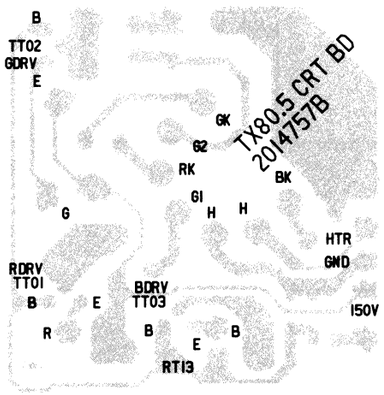
Attention:
N´effectuer les travaux de maintenance qu´avec un transformateur d´isolement!
Ne remplacer les composants de sécurité que par des composants originaux.

Attenzione:
In caso di reparazione usare trasformatore con separazione di rete!
Componenti di sicurezza devono essere sostituiti solamente con ricambi originali.

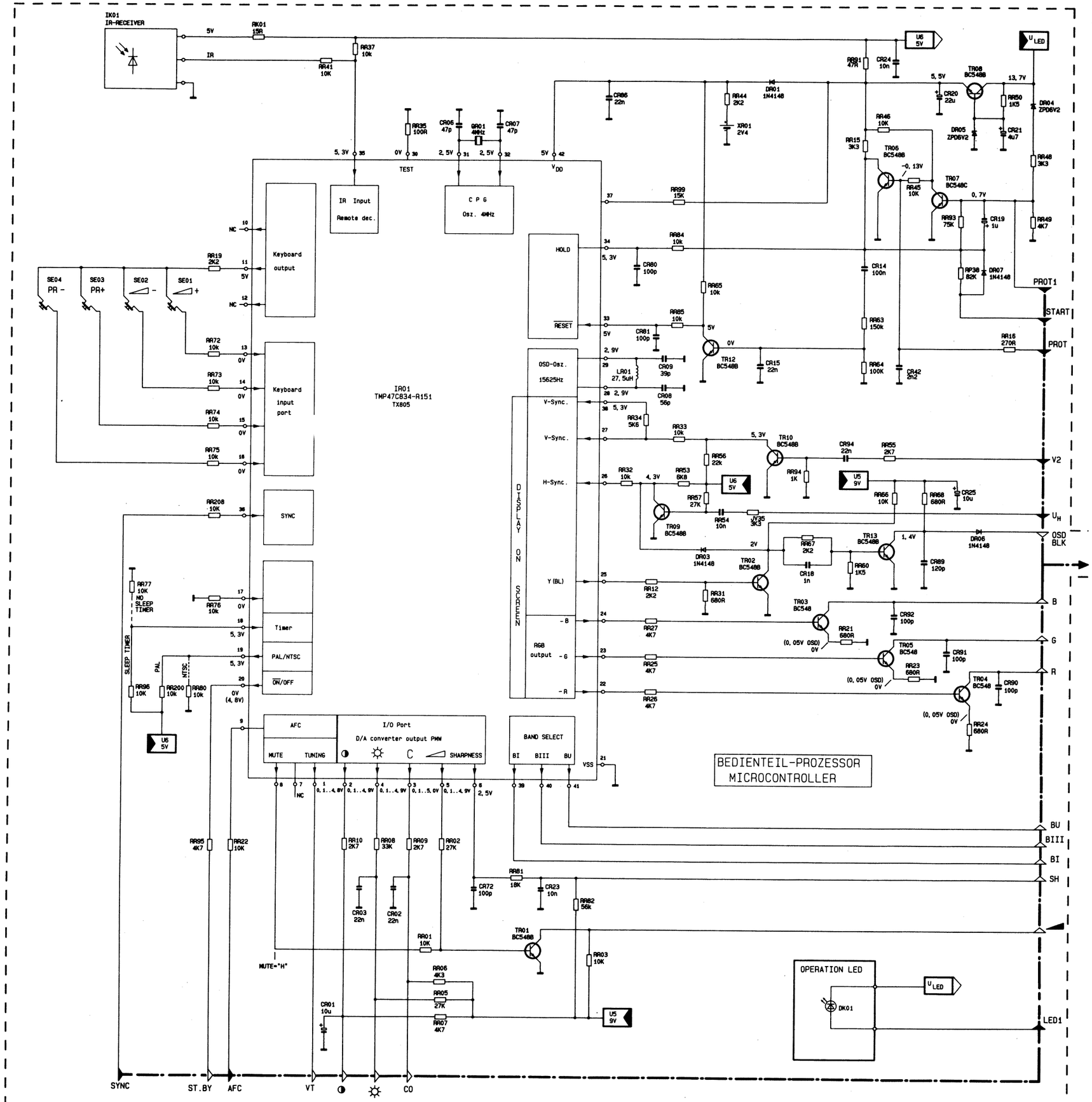
Bildröhrenplatte
Picture tube board
Platine tube image
Basetta Cinescopio
Placa zocalo TRC



Lötseite · solder side · côté soudure
lato saldature · lado soldaduras



Chassis TX 805



VHF/UHF TUNER

MTM BG 2024

ISOLATOR

ANTENNA

AGC 1 | +12V 2 | IF 3 | VT 4 0, 2...33V | BD I 5 ON="H" | BD III 6 ON="H" | BD UHF 7 ON="H"

U7 12V

CI22 2u2 | CI30 10n | CI01 2u2

RI72 2M | RI66 15K | RI65 10K | RI64 15K | RI63 10K | RH04 6K8

CI64 10n | CI53 100n | CI52 100n | CI51 100n | CI65 100u | DH04 ZTK33C | RH06 0R | RH05 6K8

RI68 4K7 | RI67 1K5 | TI89 BC546A

U SYS

RI59 4K7 | TI86 BC558C | DI54 8V2 | RI54 2K7 | CI62 10n

RI58 4K7 | TI87 BC558C | DI55 8V2 | RI55 2K7 | CI61 10n

RI57 4K7 | TI88 BC558C | DI56 8V2 | RI56 2K7 | CI60 10n

CI19 47p

VV01 DLC2259

RV33 1K | RV32 820R | CV15 27p | RV34 3K3

RV50 1K | RV20 3K9 | CV20 100n | CV06 1u | RV30 470R | CV07 1n

RV31 180K

RV28 470R

Sound

LV02 6, 2uH | LV01 1u5 | QV01 5, 5/5, 74MHz | QI02 SFE5, 5MHz | CI18 270P | RV26 180R | RV40 1K | TV04 BC558B

QI01 F5316

RI03 100R | RI06 3K3 | LI04 0, 82u | RI10 100R | CI24 22n | LI09 8, 8V | TI02 BF959 | RI09 1K5 | RI11 10R | RI12 68R | CI20 22n

CI25 22n | RI15 10k | CI17 10n

RF - AGC | ZF - AGC | AFT

RI04 10k | PI01 10k | AGC | CI02 10n

CI07 220n | LI03 38, 9MHz | CI12 68n | AFC LI07 | RI22 2K7 | RI24 100K | RI23 220K | RI25 120K | CI111 22n | CI04 10n | LI02 5, 5MHz

RP06 220R | CI10 1u | CI11 10n | CI21 47u | RI05 6K8 | CI12 22n | DV05 ZPD2V7 | RV51 22K | RV36 1K5 | RV37 12K | CV08 4n7 | CV14 6n8 | CV12 10n | CV13 15n | RV29 220K

RR09 10K | CV35 47u | CV36 27p | RV41 470R | RC09 150K | CV09 10u

Limiter | FM Det. | Sync.Sep. | Vsync. Trig. | APC | VCO | Video Tone | Osc. | 1/312 | RAMP | 32/1 Hfr. Drive

IL01 M52038 SP

CR10 4u7 | DA02 1N4148 | RR52 10k | RI02 3K3 | NF | CP35 39n | JV13 220K | CP34 22n | RP43 10K | PP02 220R | CF14 1n

500kHz | GL01 CSB503F18

RR98 33k | CV17 4u7 | RV25 2K7 | RV24 150R | RV43 330R | TV05 BC558B | CF13 47u 16V | RF09 47K

U7 12V | U5 9V | U9 150V | U vert 22V

AGC | VT | BI | BIII | BU | LED1 | START | ST.BY | PROT1 | SYNC | R2 | H | AGC | PROT | U_H | AFC | U_H | H | VFB | V | OSD BLK | Y

DEGAUS | LP104 | BP02 | CP06 10n | PTC RP25 | TF | FP01 T1, 6A | 100n CP02 | LP01 | LED1 | SE05 | BP01 | 220-240V ~

4x1N4006 | DP27 | DP26 | DP28 | DP29 | CP27 4n7 | CP26 4n7 | RP28 2R7 5W | CP41 1000u | U3 300V | CP31 100u 400V

RP44 68K | RP42 68K | RP41 68K | RP38 2K2 5W | RP39 2K2 5W | RP40 1K 2W | TP15 BF881 | CP49 1n | DP02 15V

( )=st.by

DP96 1N4148 | RP91 1K | DP90 BA157 | DP92 1N4148 | CP90 220n

RP85 270R | RP04 0R | RP61 3K3 | TP11 BC558C | TP12 BC548C | CP63 47u | 15, 5V (14V) | 14, 8V (14V) | 5, 1V (5, 3V) | 4, 5V (4, 8V) | 15, 4V (0V) | W09 DC ST.BY

DP54 1N4148 | RP27 2K2 | RP82 120R 0, 5W | CP13 1n | DP46 | DP06 ZPD5V1 2% | RP03 3K3 | RP02 270R | CP01 100u | 14, 6V

RP08 115K | RP07 6K81 1% | RP59 100R | TP03 BC548C | PP01 1k | U_{sys} | U SYS | 8, 1V | 0, 5W/1% | U_{vert} 22V

DP94 1N4148 | U4 7, 8V | RP90 1k | RP16 10K | RP87 1R | RP23 BR2 3W | 6, 0V | CP92 1n | TP09 BC337 | 2, 2V | TP13 2SA1220-Y | TP06 BC548C | 0, 36V | 0, 35V | TP05 BC548C | CP64 22n | RP95 680R | RP76 1K2 | RP14 4K7 | RP15 18K

RP26 68k | RP12 82K 1% | RP65 180R | CP03 1n8 | TP02 BC558C | 1, 9V | 2, 4V | RP13 10K | CP48 10n | TP04 BC558C | DP37 1N4148 | 2, 5V

RP05 33k | RP09 220R | DP04 1N4148 | DP05 1N4148 | TP01 BC548C | RP88 1k | CP04 3n3 | RP11 1k | RP67 180R

JX01 | XRP2 | XRP1 | DX02 ZPD10 (2%) | 7K5 (9°) | RX04 2K2 | RX05 100R | RX03 9K09 | CX02 100n | RF15 22K | RX02 10k | DX03 1N4148 | RF20 180K

RA03 330R | CA10 u47 | CA03 1u | DA06 470R | RA06 390R | RA07 270R | RA08 470R | 8, 1V | TA03 C2655 | TA05 BC548A | CA05 100u 16V | LA02 47uH | CA08 10n | CA09 470u 16V | US 15V

RA11 1R | CA07 470u | 7, 5V | CA06 100n | RA14 470R 0.5W | RA13 1R | BR01 16 OHM

RA18 1K5 | CA01 10u | RA04 33K | RA10 680R | CA02 270P | RA12 1R | TA04 A1020 | 6, 8V | TA02 BC548A | RA05 4K7

AUDIO

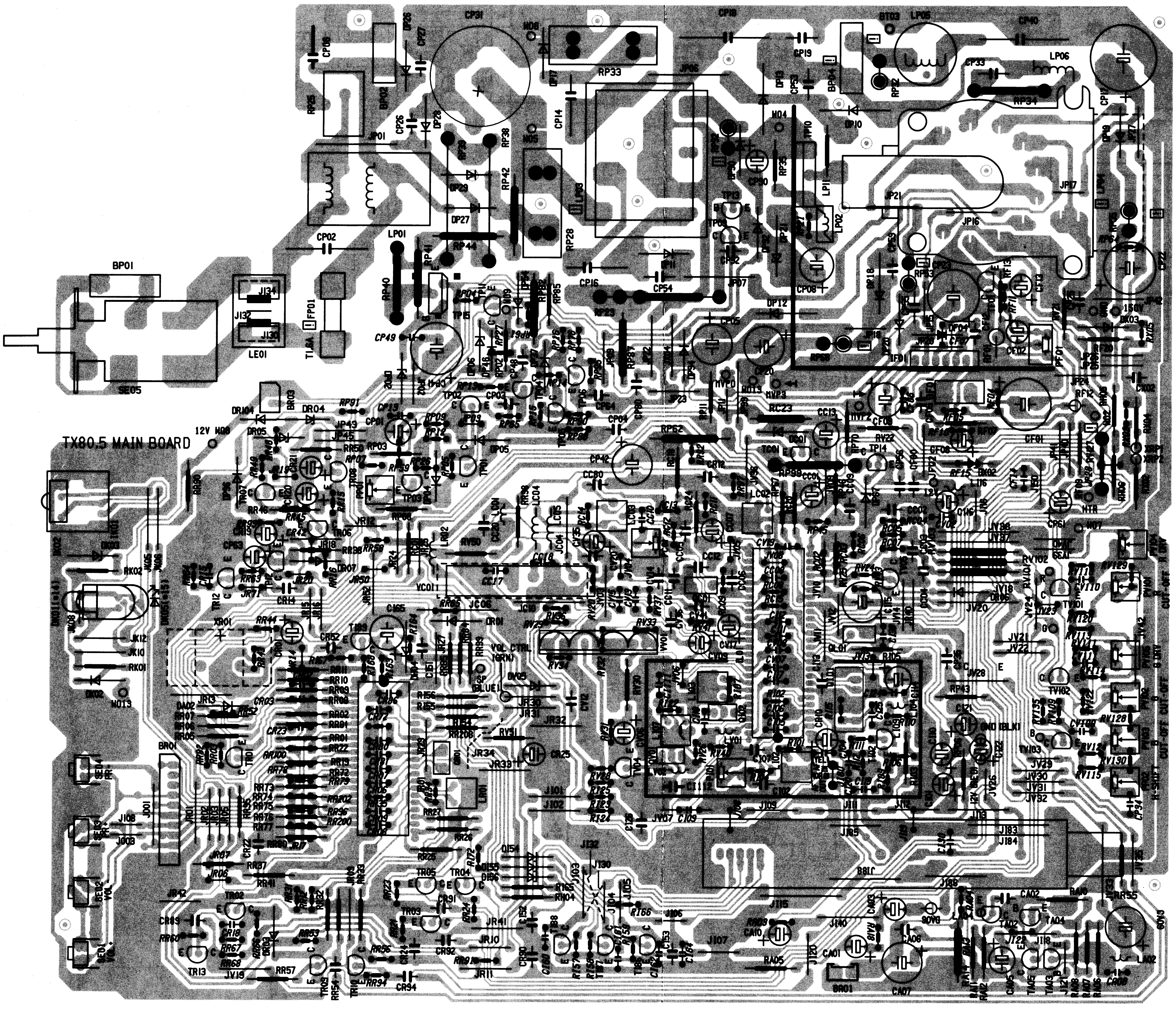
NETZTEIL POWER SUPPLY

SPANNUNGEN / VOLTAGES		
U_{SYS}	= 103V	SYSTEM VOLTAGE
U_{vert}	= 22V	VERT. AMPLIFIER
U_{LED}	= 14V	FOR U6
U3	= 300V	MAIN VOLTAGE
U4	= 7, 8V	HOR. DRIVER
U5	= 9V	VIDEO/AUDIO-IC
U6	= 5V	MICROCONTROLLER
U7	= 12V	VIDEO/AUDIO-IC
U9	= 150V	CRT
US	= 15V	SOUND

IL01
M52038 SP

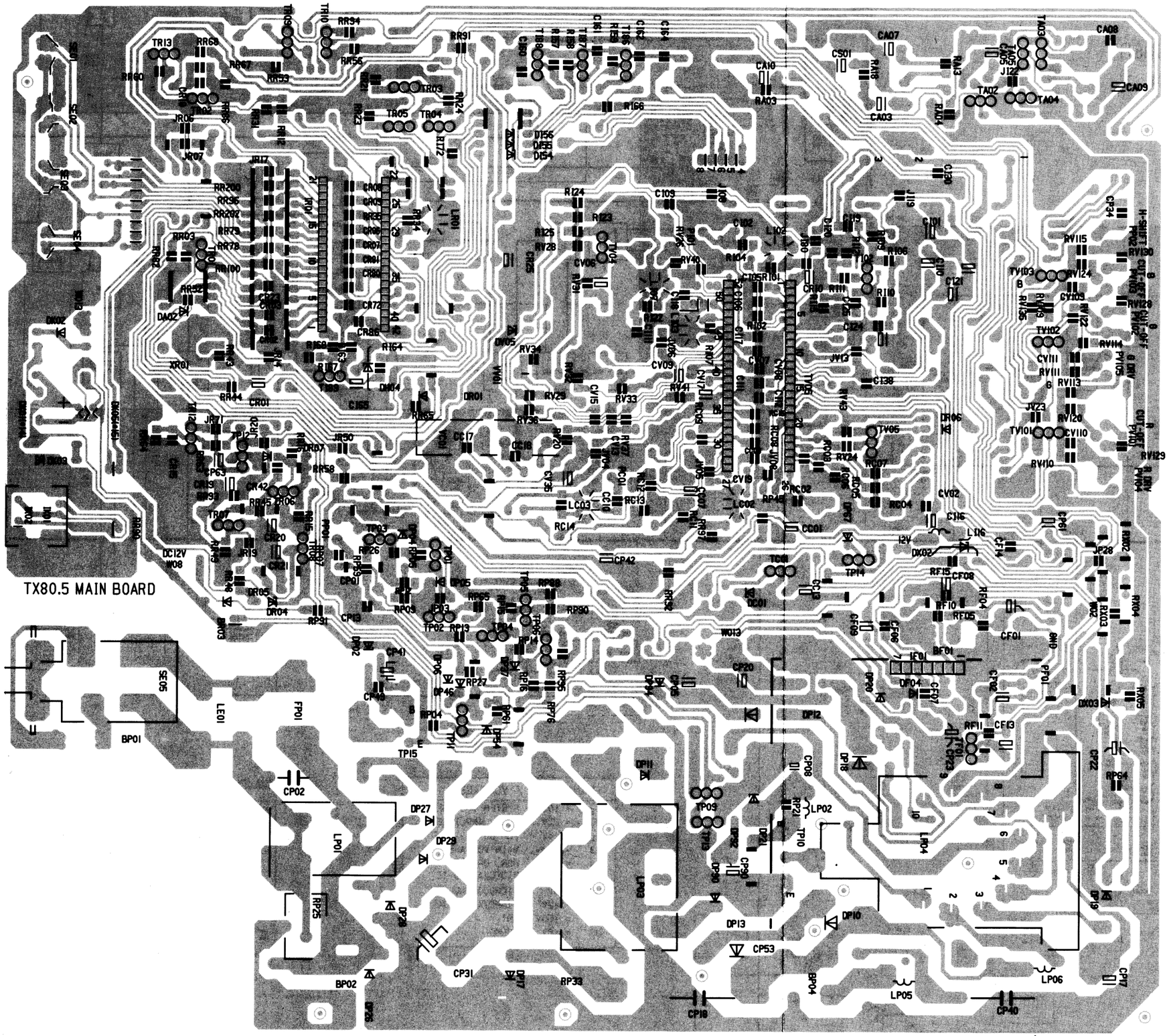
Vsync. Trig.
VCO
RAMP
312
Video Tone
ACC Killer Det.
C
C
VCO
±45°
PAL Switch
Demod.
APC Detect.
Ident.
F.F.
PAL Ampl.
PC01 1k
VC01 DL701
LC01 8u2 12u (FTZ)
LC03 PAL Phase
LC04
LC05
CC05 10n
RC13 390R
RC08 2K7
RC12 1K2
CC10 10n
CC15 4n7
CC18 33p
CC17 33p
RC14 470R
RR98 10K
CV35 47u
RC41 470R
RC09 150K
CC06 220n
CV09 10u
CV36 27p
CV12 10n
CV13 15n
CV14 6n8
RV36 1K5
RV37 12k
RV51 22k
RV29 220K
U5 9V
8, 9V
1, 8V
7, 8V
5, 6V
3, 5V
4..5.5V
5, 3V
RC20 1K
CV19 1n
CC01 1u
RC07 330R
RC02 3K3
CC04 270p
RC05 330R
RC03 3K3
CC03 270p
RC04 330R
RC06 3K3
CC02 270p
RC01 1K2
CV02 150p
CI15 470u
CI13 10n
CI14 100u
R-Y
G-Y
B-Y
7/15/37
4, 4V
2, 3V
4V
RR98 33k
CV17 4u7
RV25 2K7
RV24 180R
RV43 330R
7, 1V
RC15 2K7
CC11 220n
4, 3V
6, 5V
6, 8V
4, 43MHz QC01
LC02
CC08 10n
RC24 4K7
1u CC07
RC11 12k
RC18 3K9
RR97 10K
CR12 47n
RR92 5K6
RC23 150K
6, 4V
CC12 39n
0, 3V
CC09 100p
RP45 18k
RP46 39k
CP61 1u
5, 1V
4, 7V
TV05 BC558B
TC01 BC558B
6, 8V
CC13 10u
DC01 ZPD6V8
CF14 in
CF15 in
VFB
V
OSD BLK
Y
BCL
U_H
V2
CO SH U_H
B G R
U_SYS
U vert 22V
Vert.Lage
MVP2
MVP0
MVP3
W02
RF12 680R 0, 5W
RF13 82R
RF01 2R7 0, 5W
CF13 47u 16V
TF01 BC548C
CF01 470u
CF02 4u7
PF01 220R
RF11 220R
Vert.Abl
BF01
RF05 68K
RF04 27K
RF09 47K
CF05 47n
RF07 100K
RF10 68K
JP41 100R
CF08 1u
CF06 47p
CF07 1n
IF01 LA7830
Pump-up
Vert output
Vert Drive
CF09 100u
JP20 680R
1N4001 DF04
12, 8V
1, 4V
23, 5V
0, 7V
0, 9V
23, 6V
U vert 22V
TV101 BC546A
TV102 BC546A
TV103 BC546A
RV101 220R
RV102 220R
RV103 220R
RV120 1K5
RV122 1K5
RV124 1K5
RV110 220R
RV111 220R
RV109 220R
RV113 1K2
RV114 1K2
RV115 1k
RV129 2K2
RV128 2K2
RV130 2K2
R-CUT-OFF PV101 2K2
G-CUT-OFF PV102 2K2
B-CUT-OFF PV103 2K2
PV104 220R R-DRIVE
PV105 220R G-DRIVE
12, 3V
U9 150V
RV127 1R
HTN
GND
150V
RT02 12k 2W
RT03 1K5 0, 5W
RT40 68K 0, 5W
117V
TT01 BF422
RT05 12k 2W
RT06 1K5 0, 5W
108V
TT02 BF422
RT08 12k 2W
RT09 1K5 0, 5W
TT03 BF422
RT42 6K8
CT11 10n
max. 26kV
RT34 1K5 0, 5W
RT33 10R 0, 7W
CT06 1n 2KV
RT32 2K2 0, 5W
BT03 CHASSIS GND
U_g2
Focus
BILDROHRPLATTE
CRT BOARD
U5 15V
U7 12V
U4 7, 8V
LI16 47u
CI16 10n
RP62 18R 2W
TP14 BC337
RP99 6R8 1W
RP68 R68
CP59 470p
DP18 BA157
CP90 1000u
RP70 2K2
DP67 12V
CP56 1n
CP05 470u
CP25 10n 250V
RV21 4K7
RV22 4K7
FOCUS
U62
LP04
CP55 1n 1KV
DP20 BA157
RP53 R39
CP23 1000u 25V
CP33 6n8
RP34 33R
LP06 50uH
DP10 BYV38
BY288 DP13
CP19 560p 2KV
CP18 5n6
BP04
Hor.Abl
LP05
CP40 470n 250V
DP19 BA157
RP55 10R
CP22 22u 100V
CP17 100u 150V
LP07
DP11 BA157
LP08
CP54 330p 1KV
CP16 100n 400V
U9 150V
U_sys
U3 300V
LP03
RP92 R68
CP14 680p 1K6V
RP33 2K7 7W
DP17 BA158
HORIZONTAL ABLENKUNG
HORIZONTAL DEFLECTION
VERTIKAL ABLENKUNG
VERTICAL DEFLECTION
DP21 2V7
CP08 100u/35V 150°C
LP02 6uH
RP21 47R
RP35 100R
LP11
TP10 S2000AF
LA02 47uH
CA08 10n
CA09 470u 16V
TA03 C2655
TA05 BC548A
TA04 A1020
8, 1V
6, 8V
CA05 100u 16V
CA07 470u
7, 5V
RA11 1R
RA12 1R
RA13 1R
CA06 100n
RA14 470R 0.5W
BR01 16 OHM
AUDIO

Chassis-Grundplatte · Chassis base board · Plaque de base du chassis · Piastra base telaio · Chasis placa base



Chassis-Grundplatte · Chassis base board · Plaque de base du chassis · Piastra base telaio · Chasis placa base

Lötseite · solder side · côté soudure · lato saldature · lado soldaduras



Um die VDE-Sicherheit zu gewährleisten, ist nach einer Reparatur sicherzustellen:

1. Auf Luft- und Kriechstrecken achten! Z. B. durchstehende Drähte ausgewechselter Bauelemente kurz abschneiden.
2. Sicherheitsbauteile ⚠ nur gegen Original-Ersatzteile auswechseln (siehe Stromlaufplan).

In order to insure safety as per VDE requirements, the following must be checked after any repairs:

1. Check for air gap and leakage paths! For example, protruding ends of wires passing through the board must be cut off short.
2. Components with an essential safety function ⚠ are to be replaced only with original-equipment parts (see circuit diagram).

Pour assurer la sécurité au regard des normes VDE, après une réparation, il convient de veiller à

1. Prévenir des formations de circuits aériens ou rampants. Par ex. couper court les fils qui dépassent ou les éléments de construction échangés.
2. N'échanger les éléments de sécurité ⚠ que contre des pièces de rechange d'origine (cf. plan de passage du courant).

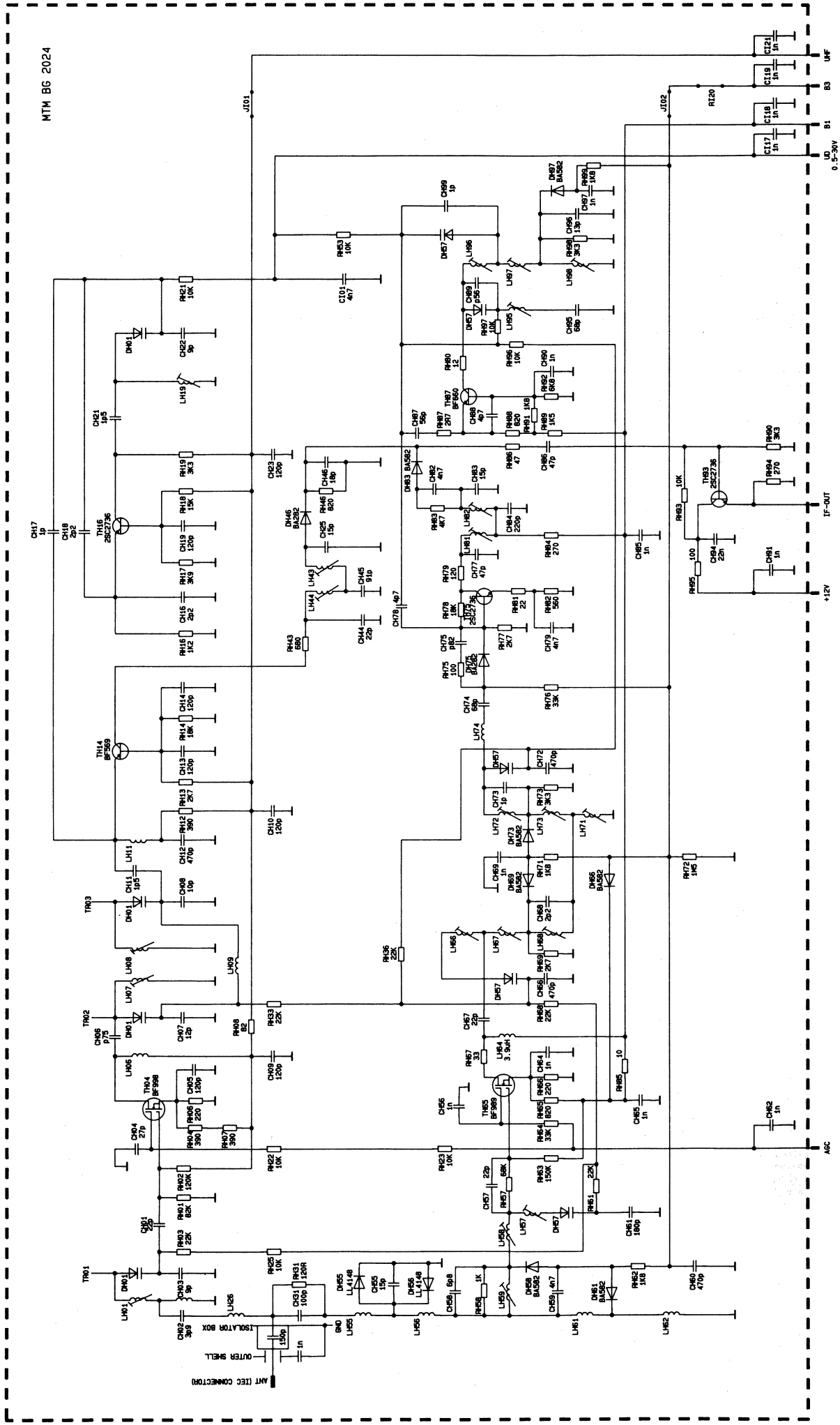
Per garantire la sicurezza VDE a riparazione effettuata deve essere assicurato che:

1. Tenere conto delle distanze dei componenti e dei percosi! p.e. i terminali in passaggio dei componenti sostituiti devono essere tagliati corti.
2. Componenti di sicurezza ⚠ devono essere sostituiti solamente con ricambi originali (vedere schema).

Para garantizar la seguridad en cumplimiento de las normas VDE, después de una reparación, asegurarse de lo siguiente.

1. Mantener la distancia entre componentes. Por ejemplo, cortando todo lo posible los hilos y terminales que sobresalgan de las pistas del circuito impreso.
2. Los componentes marcados en el esquema con el símbolo ⚠ deben ser substituidos por repuestos originales (ver esquema).

Tuner MTM-BG-2024



Ersatzteilliste · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio · Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellung bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer en tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero corrispondenti di codice!
Importante: Pedir siempre lis recambios con el numero correspondiente de codigo!

Pos.	Art.-Nr Part No. No.articolo	Bezeichnung	Part
		MODULE:	**MODULES:**
MTM2024	201.487.30	MTM BG2024 Tuner	MTM BG2024 U/V tuner
		CHASSIS-TEILE	**CHASSIS PARTS**
BA01	404.060.81	Stiftgehäuse, 2polig, natur	2 pin contact housing
BR01	249.475	Stiftleiste, 10polig	Contact strip, 10-pole
BR02	804.085.95	Stiftgehäuse, 3polig, natur	3 pin contact housing
BR03	249.477	Stiftleiste, 2polig	Contact strip, 2-pole
CC80	490.006.8270	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap
CP02	252.320	0U1F 275V 20% MP-Kondensator	0U1F 275V 20% MPoly cap
CP06	490.008.0607	10NF 250V 20% Keramik-Kondensator	10NF 250V 20% C cap
CP14	309.430.473	680PF 1K6V 5% MPP-Kondensator	680PF 1K6V 5% MPoly cap
CP16	490.001.1194	100NF 400V 10% MKP-Kondensator	100NF 400V 10% MKPoly cap
CP17	249.481	100UF 160V Elko	100UF 160V E cap
CP18	200.996.90	5N6F 1K6V 3,5% Filmkondensator	5N6F 1K6V 3,5% Film cap
CP19	702.619.00	560PF 2KV 20% Keramik-Kondensator	560PF 2KV 20% C cap
CP25	490.008.0607	10NF 250V 20% Keramik-Kondensator	10NF 250V 20% C cap
CP26	490.006.8270	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap
CP27	490.006.8270	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap
CP31	260.909	100UF 385V 20% Elko	100UF 385V 20% E cap
CP33	239.323	6N8F 400V 5% Keramik-Kondensator	6N8F 400V 5% C cap
CP40	309.433.775	470NF 250V 5% Kondensator	470NF 250V 5% Capacitor
CP54	258.867	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap
CP54	309.442.977	1NF 1KV Keramik-Kondensator	1NF 1KV C cap
CP55	309.442.977	1NF 1KV Keramik-Kondensator	1NF 1KV C cap
CP59	246.079	470PF 500V 20% Keramik-Kondensator	470PF 500V 20% C cap
CT06	309.442.978	1NF 2KV 20% Keramik-Kondensator	1NF 2KV 20% C cap
DA02	309.325.927	1N4148 Diode	1N4148 Diode
DC01	256.417	BZX55C6V8 Diode	BZX55C6V8 Diode
DE02	490.007.5420	HLMP-D150 LED Diode	HLMP-D150 LED Diode
DF04	273TX0025	1N4001 Diode	1N4001 Diode
DH04	339.529.766	ZTK33C ZENER Diode	ZTK33C ZENER Diode
DI54	464.358	ZPD8,2 0,5W ZENER Diode	ZPD8,2 0,5W ZENER Diode
DI55	464.358	ZPD8,2 0,5W ZENER Diode	ZPD8,2 0,5W ZENER Diode
DI56	464.358	ZPD8,2 0,5W ZENER Diode	ZPD8,2 0,5W ZENER Diode
DK05	490.007.5420	HLMP-D150 LED Diode	HLMP-D150 LED Diode
DP02	252.649	ZPD15 0,5W 2% ZENER Diode	ZPD15 0,5W 2% ZENER Diode
DP04	309.325.927	1N4148 Diode	1N4148 Diode
DP05	309.325.927	1N4148 Diode	1N4148 Diode
DP06	309.327.103	ZPD5,1 2% ZENER Diode	ZPD5,1 2% ZENER Diode
DP10	309.327.131	BYV38 Diode	BYV38 Diode
DP11	309.325.056	BA157 Diode SSW	BA157 Diode
DP12	309.325.056	BA157 Diode SSW	BA157 Diode
DP13	276.169	BY228 Diode	BY228 Diode
DP17	309.325.112	BA158 Diode	BA158 Diode
DP18	309.325.056	BA157 Diode SSW	BA157 Diode
DP19	309.325.056	BA157 Diode SSW	BA157 Diode
DP20	309.325.056	BA157 Diode SSW	BA157 Diode
DP21	273TX5027	ZPY2,7 2% ZENER Diode	ZPY2,7 2% ZENER Diode
DP26	462.268	1N4006 Diode	1N4006 Diode
DP27	462.268	1N4006 Diode	1N4006 Diode
DP28	462.268	1N4006 Diode	1N4006 Diode
DP29	462.268	1N4006 Diode	1N4006 Diode
DP37	309.325.927	1N4148 Diode	1N4148 Diode
DP54	309.325.927	1N4148 Diode	1N4148 Diode
DP67	309.325.195	ZPD12 2% ZENER Diode	ZPD12 2% ZENER Diode
DP90	309.325.056	BA157 Diode SSW	BA157 Diode
DP92	309.325.927	1N4148 Diode	1N4148 Diode
DP94	309.325.927	1N4148 Diode	1N4148 Diode
DP96	309.325.927	1N4148 Diode	1N4148 Diode
DR01	309.325.927	1N4148 Diode	1N4148 Diode
DR03	309.325.927	1N4148 Diode	1N4148 Diode
DR04	276.375	ZPD6,2 2% ZENER Diode	ZPD6,2 2% ZENER Diode
DR05	276.375	ZPD6,2 2% ZENER Diode	ZPD6,2 2% ZENER Diode
DR06	309.325.927	1N4148 Diode	1N4148 Diode
DR07	309.325.927	1N4148 Diode	1N4148 Diode
DV05	273TX5032	ZPD4,7 5% ZENER Diode	ZPD4,7 5% ZENER Diode
DX02	249.528	ZPD10 0,5W 2% ZENER Diode	ZPD10 0,5W 2% ZENER Diode
DX03	309.325.927	1N4148 Diode	1N4148 Diode
FP01	309.625.610	G.-Schmelzeinsatz, T 1,6A III	Glass fuse, T 1,6A

Pos.	Art.-Nr Part No. No.articolo	Bezeichnung	Part
IE01	309.327.160	GP1U73RF IR-Vorverstärker, stehend	IR PRE-AMPLIFIER
IF01	276TX3655	LA7830 IC	LA7830 IC
IF01	339.872.711	Montageclip	Clip
IK01	490.007.8242	GP1U73QF IR-VORVERSTÄRKER	INFRA-RED PRE-AMPLIFIER
IL01	309.368.543	M52038SP IC	M52038SP IC
IR01	201.683.40	TMP47C834NR151 IC TX8051	TMP47C834NR151 IC TX8051
IR01	202.041.10	TMP47C834NR161 IC TX8052	TMP47C834NR161 IC TX8052
JR27	266.702	47UH 10% Drossel	47UH 10% Choke coil
LA02	267.256	47UH Drossel	47UH Choke coil
LC01	249.220	12UH Drossel	12UH Choke coil
LC02	490.007.1465	Filter	Filter
LC03	309.249.379	Filter	Filter
LI02	249.494	Filter	Filter
LI03	249.495	Filter	Filter
LI04	276.184	0U8H Drossel	0U8H Choke coil
LI07	804.059.33	38M9HZ Filter 7x7	38M9HZ Filter 7x7
LI16	267.256	47UH Drossel	47UH Choke coil
LP01	490.008.0542	Siebdrossel	Filter choke
LP02	249.496	6UH Drossel	6UH Choke coil
LP03	201.495.40	Wessel 220V Transformator	Wessel 220V transformer
LP04	201.679.40	Diodensplit-Trafo, FCV-1410E12 (TX805)	Diode split transformer
LP06	309.250.964	50UH Drossel	50UH Choke
LR01	490.007.8251	Filter	Filter
LV01	470.543.75	1U5H 10% Drossel	1U5H 10% Choke coil
LV02	309.249.345	8U2H 10% Drossel	8U2H 10% Choke coil
MI01	490.007.1452	Antennenbuchse, kpl.	Antenna socket, cpl.
MK01	201.258.7A	Halter, LED	LED holder
PC01	309.509.162	1KR Trimmwiderstand	1KR Trimmer resistor
PF01	201.860.40	220R 0,2W 20% Trimmwiderstand, V	220R 0,2W 20% Trimmer resistor
PI01	309.509.164	10KR Trimmwiderstand, H	10KR Trimmer resistor
PP01	309.509.162	1KR Trimmwiderstand	1KR Trimmer resistor
PP02	201.860.40	220R 0,2W 20% Trimmwiderstand, V	220R 0,2W 20% Trimmer resistor
PV101	201.701.70	2K2R 0,2W 20% Trimmwiderstand, V	2K2R 0,2W 20% Trimmer resistor
PV102	201.701.70	2K2R 0,2W 20% Trimmwiderstand, V	2K2R 0,2W 20% Trimmer resistor
PV103	201.701.70	2K2R 0,2W 20% Trimmwiderstand, V	2K2R 0,2W 20% Trimmer resistor
PV104	201.860.40	220R 0,2W 20% Trimmwiderstand, V	220R 0,2W 20% Trimmer resistor
PV105	201.860.40	220R 0,2W 20% Trimmwiderstand, V	220R 0,2W 20% Trimmer resistor
QC01	309.335.714	4,433619MHz Quarz	4,433619MHz Crystal
QI01	309.229.932	TSF5316 Oberflächenwellenfilter	TSF5316 Surface wave filter
QI02	200.730.50	SFSH5.5MCB Keramikfilter	SFSH5.5MCB Ceramic filter
QI02	309.160.807	SFE5,5MBF Keramikfilter	SFE5,5MBF Ceramic filter
QL01	309.160.850	CSB503F18 Keramikfilter	CSB503F18 Ceramic filter
QR01	309.335.710	CSA4.00MG Keramik-Schwinger	CSA4.00MG Resonator
QV01	309.160.851	TPW04B Keramikfilter 5,74Mhz	TPW04B Ceramic filter
RC23	413.832.02	150KR 0,25W 1% Metallfilmwiderstand	150KR 0,25W 1% Metal film resistor
RF01	603.287.00	2R7 0,5W 1% Metallfilmwiderstand	2R7 0,5W 1% Metal film resistor
RP08	413.804.02	115KR 0,25W 1% Metallfilmwiderstand	115KR 0,25W 1% Metal film resistor
RP23	243.453	8R2 3W 5% Metalloxydwiderstand	8R2 3W 5% Metal oxide resistor
RP25	110.851.00	22R 220V PTC-Widerstand	22R 220V PTC resistor
RP28	201.108.70	2R7 5W 10% Drahtwiderstand	2R7 5W 10% Wire resistor
RP33	201.686.70	2K7R 5W 5% Metalloxydwiderstand	2K7R 5W 5% Metal oxide resistor
RP34	249.515	33R 1W 5% Metalloxydwiderstand	33R 1W 5% Metal oxide resistor
RP38	201.853.20	2K2R 3W 5% Metalloxydwiderstand	2K2R 3W 5% Metal oxide resistor
RP39	201.853.20	2K2R 3W 5% Metalloxydwiderstand	2K2R 3W 5% Metal oxide resistor
RP40	249.318	1KR 2W Metalloxydwiderstand	1KR 2W Metal oxide resistor
RP53	256.861	0R39 0,5W 5% Sicherheitswiderstand	0R39 0,5W 5% Fusible resistor
RP55	309.580.977	10R 0,35W 5% Sicherheitswiderstand	10R 0,35W 5% Fusible resistor
RP62	309.556.312	18R 2W 5% Metalloxydwiderstand	18R 2W 5% Metal oxide resistor
RP68	246.011	0R68 0,3W 5% Sicherheitswiderstand	0R68 0,3W 5% Fusible resistor
RP92	249.517	0R68 0,5W 5% Sicherheitswiderstand	0R68 0,5W 5% Fusible resistor
RP99	804.093.38	6R8 1W 5% Metalloxydwiderstand	6R8 1W 5% Metal oxide resistor
RT02	309.531.930	12KR 2W 5% Metalloxydwiderstand	12KR 2W 5% Metal oxide resistor
RT05	309.531.930	12KR 2W 5% Metalloxydwiderstand	12KR 2W 5% Metal oxide resistor
RT08	309.531.930	12KR 2W 5% Metalloxydwiderstand	12KR 2W 5% Metal oxide resistor
RV127	409.169	1R 0,5W 5% Sicherheitswiderstand	1R 0,5W 5% Fusible resistor
RX02	266.596	10KR 0,4W 1% Metallfilmwiderstand	10KR 0,4W 1% Metal film resistor

Ersatzteilliste · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio · Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellung bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer en tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero corrispondenti di codice!
Importante: Pedir siemple lis recambios con el numero correspondiente de codigo!

Pos.	Art.-Nr Part No. No.articolo	Bezeichnung	Part
SE01	105.106.00	Taktschalter	Tact switch
SE02	105.106.00	Taktschalter	Tact switch
SE03	105.106.00	Taktschalter	Tact switch
SE04	105.106.00	Taktschalter	Tact switch
SE05	201.260.10	Netzschalter, 4A 250V	Mains switch
TA02	261.791	BC548A Transistor	BC548A Transistor
TA03	339.556.399	2SC2655Y Transistor	2SC2655Y Transistor
TA04	242.866	2SA1020Y Transistor	2SA1020Y Transistor
TA05	261.791	BC548A Transistor	BC548A Transistor
TC01	309.001.329	BC558A Transistor	BC558A Transistor
TF01	463.223	BC548C Transistor	BC548C Transistor
TI02	270TX1697	BF959 Transistor	BF959 Transistor
TI86	309.001.226	BC558B Transistor	BC558B Transistor
TI87	309.001.226	BC558B Transistor	BC558B Transistor
TI88	309.001.226	BC558B Transistor	BC558B Transistor
TI89	309.001.347	BC546A Transistor	BC546A Transistor
TP01	463.223	BC548C Transistor	BC548C Transistor
TP02	309.001.292	BC558C Transistor	BC558C Transistor
TP03	463.223	BC548C Transistor	BC548C Transistor
TP04	309.001.292	BC558C Transistor	BC558C Transistor
TP05	463.223	BC548C Transistor	BC548C Transistor
TP06	463.223	BC548C Transistor	BC548C Transistor
TP09	352.839.7000	BC337-16 Transistor	BC337-16 Transistor
TP10	256.341	S2000AF Transistor	S2000AF Transistor
TP10	261.825	Montageclip 1	Clip 1
TP11	309.001.292	BC558C Transistor	BC558C Transistor
TP12	463.223	BC548C Transistor	BC548C Transistor
TP13	242.866	2SA1020Y Transistor	2SA1020Y Transistor
TP14	352.839.7000	BC337-16 Transistor	BC337-16 Transistor
TP15	490.007.4147	MJF18004 Transistor	MJF18004 Transistor
TR01	309.001.293	BC548B Transistor	BC548B Transistor
TR02	309.001.293	BC548B Transistor	BC548B Transistor
TR03	309.001.293	BC548B Transistor	BC548B Transistor
TR04	309.001.293	BC548B Transistor	BC548B Transistor
TR05	309.001.293	BC548B Transistor	BC548B Transistor
TR06	309.001.293	BC548B Transistor	BC548B Transistor
TR07	463.223	BC548C Transistor	BC548C Transistor
TR08	309.001.293	BC548B Transistor	BC548B Transistor
TR09	309.001.293	BC548B Transistor	BC548B Transistor
TR10	309.001.293	BC548B Transistor	BC548B Transistor
TR12	309.001.293	BC548B Transistor	BC548B Transistor
TR13	309.001.293	BC548B Transistor	BC548B Transistor
TT01	465.913	BF422 Transistor	BF422 Transistor
TT02	465.913	BF422 Transistor	BF422 Transistor
TT03	465.913	BF422 Transistor	BF422 Transistor
TV04	309.001.226	BC558B Transistor	BC558B Transistor
TV05	309.001.226	BC558B Transistor	BC558B Transistor
TV101	309.001.347	BC546A Transistor	BC546A Transistor
TV102	309.001.347	BC546A Transistor	BC546A Transistor
TV103	309.001.347	BC546A Transistor	BC546A Transistor
VC01	309.699.463	DL701S/SDL145 Verzögerungsleitung	DL701S/SDL145 Delay line

Pos.	Art.-Nr Part No. No.articolo	Bezeichnung	Part
VV01	200.338.10	DLC2259 LC-Modul	DLC2259 LC Module
XR01	309.333.013	2U4 60MY Akku	2U4 60MY Battery
-	201.746.20	Bildrohrfassung, TX90 10"	Cathode ray tube socket
		Weitere gerätespezifische Ersatzteile lieferbar.	**Further spare parts are available.**